

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

Attorney Docket Number	3382-67641
Application Number	Not yet assigned
Filing Date	April 15, 2004
First Named Inventor	Liang
Art Unit	Not yet assigned
Examiner Name	Not yet assigned

U.S. PATENT DOCUMENTS

NOTE: If this application was filed after June 30, 2003, copies of United States patents and United States published patent applications do not have to be provided to the Patent Office. This requirement of 37 C.F.R. § 1.98(a)(2)(i) has been waived by the United States Patent and Trademark Office pursuant to the Official Gazette Notice on August 5, 2003 (1276 OG 55).

Examiner's Initials*	Cite No. (optional)	Number	Publication Date	Name of Applicant or Patentee
/DNW/		5,467,134	11.14.1995	Laney et al.
/DNW/		5,504,591	4.2.1996	Dujari
/DNW/		5,544,286	8.6.1996	Laney
/DNW/		5,748,789	5.5.1998	Lee et al.
/DNW/		5,883,633	3.16.1999	Gill et al.
/DNW/		5,946,043	8.31.1999	Lee et al.
/DNW/		6,154,572	11.28.2000	Chaddha
/DNW/		6,205,256	3.20.2001	Chaddha
/DNW/		6,215,910	4.10.2001	Chaddha
/DNW/		6,223,162	4.24.2001	Chen et al.
/DNW/		6,233,017	5.15.2001	Chaddha
/DNW/		6,259,810	7.10.2001	Gill et al.
/DNW/		6,300,888	10.9.2001	Chen et al.
/DNW/		6,304,928	10.16.2001	Mairs et al.
/DNW/		6,337,881	1.8.2002	Chaddha
/DNW/		6,349,152	2.19.2002	Chaddha

EXAMINER
SIGNATURE: /David Werner/

DATE
CONSIDERED: 09/04/2007

* Examiner: Initial if reference considered, whether or not in conformance with MPEP 609. Draw line through cite if not in conformance and not considered. Include copy of this form with next communication to applicant.

INFORMATION DISCLOSURE STATEMENT BY APPLICANT		Attorney Docket Number	3382-67641	
		Application Number	Not yet assigned	
		Filing Date	April 15, 2004	
		First Named Inventor	Liang	
		Art Unit	Not yet assigned	
		Examiner Name	Not yet assigned	
U.S. PATENT DOCUMENTS				
Examiner's Initials*	Cite No. (optional)	Number	Publication Date	Name of Applicant or Patentee
/DNW/		6,360,019	3.19.2002	Chaddha
/DNW/		6,377,930	4.23.2002	Chen et al.
/DNW/		6,392,705	5.21.2002	Chaddha
/DNW/		6,404,931	6.11.2002	Chen et al.
/DNW/		6,477,280	11.5.2002	Malvar
U.S. PATENT APPLICATION DOCUMENTS				
Examiner's Initials*	Cite No. (optional)	Number	Publication Date	Name of Applicant or Patentee
/DNW/		US 2003-138150-A1	7.24.2003	Srinivasan
/DNW/		US 2003-156648-A1	8.21.2003	Holcomb et al.
Examiner's Initials*	Cite No. (optional)	OTHER DOCUMENTS		
/DNW/		Gibson et al., <u>Digital Compression for Multimedia</u> , Morgan Kaufmann, pages 17-62, 1998		
/DNW/		ISO/IEC, "ISO/IEC 11172-2, Information technology - Coding of moving pictures and associated audio for digital storage media at up to about 1,5 Mbit/s - Part 2: Video," 112 pp. (1993).		
/DNW/		ISO/IEC, "JTC1/SC29/WG11 N2202, Information Technology - Coding of Audio-Visual Objects: Visual, ISO/IEC 14496-2," 329 pp. (1998).		
/DNW/		ITU-T, "ITU-T Recommendation H.261, Video Codec for Audiovisual Services at p x 64 kbits," 25 pp. (1993).		
/DNW/		ITU-T, "ITU-T Recommendation H.262, Information Technology - Generic Coding of Moving Pictures and Associated Audio Information: Video," 205 pp. (1995).		
/DNW/		ITU-T, "ITU-T Recommendation H.263, Video coding for low bit rate communication," 162 pp. (1998).		

EXAMINER
SIGNATURE:

/David Werner/

DATE

CONSIDERED:

09/04/2007

* Examiner: Initial if reference considered, whether or not in conformance with MPEP 609. Draw line through cite if not in conformance and not considered. Include copy of this form with next communication to applicant.

INFORMATION DISCLOSURE STATEMENT BY APPLICANT		Attorney Docket Number	3382-67641
		Application Number	Not yet assigned
		Filing Date	April 15, 2004
		First Named Inventor	Liang
		Art Unit	Not yet assigned
		Examiner Name	Not yet assigned
Examiner's Initials*	Cite No. (optional)	OTHER DOCUMENTS	
/DNW/		Joint Video Team (JVT) of ISO/IEC MPEG & ITU-T VCEG, "Draft ITU-T Recommendation and Final Draft International Standard of Joint Video Specification (ITU-T Rec. H.264 ISO/IEC 14496-10 AVC)," 253 pp. (May 2003).	
/DNW/		Nelson, <u>The Data Compression Book</u> , "Huffman One Better: Arithmetic Coding," Chapter 5, pp. 123-165 (1992).	

EXAMINER
SIGNATURE: /David Werner/

DATE
CONSIDERED: 09/04/2007

* Examiner: Initial if reference considered, whether or not in conformance with MPEP 609. Draw line through cite if not in conformance and not considered. Include copy of this form with next communication to applicant.

INFORMATION DISCLOSURE STATEMENT BY APPLICANT	Attorney Docket Number	3382-67641-01
	Application Number	10/826,971
	Filing Date	April 15, 2004
	First Named Inventor	Liang
	Art Unit	2819
	Examiner Name	not yet assigned

U.S. PATENT DOCUMENTS

Copies of U.S. Patent documents do not need to be provided, unless requested by the Patent and Trademark Office. For patents, provide the patent number and the issue date. For published U.S. applications, provide the publication number and the publication date. For unpublished pending patent applications, provide the application number and the filing date.

Examiner's Initials*	Cite No. (optional)	Number	Publication Date	Name of Applicant or Patentee
/DNW/		4,698,672	October 6, 1987	Chen
/DNW/		4,813,056	March 14, 1989	Fedele
/DNW/		4,901,075	February 13, 1990	Vogel
/DNW/		5,043,919	August 27, 1991	Callaway et al.
/DNW/		5,089,818	February 18, 1992	Mahieux et al.
/DNW/		5,128,758	July 7, 1992	Azadegan
/DNW/		5,179,442	January 12, 1993	Azadegan
/DNW/		5,227,788	July 13, 1993	Johnston
/DNW/		5,266,941	November 30, 1993	Akeley et al.
/DNW/		5,394,170	February 28, 1995	Akeley et al.
/DNW/		5,400,075	March 21, 1995	Savatier
/DNW/		5,457,495	October 10, 1995	Hartung
/DNW/		5,461,421	October 24, 1995	Moon
/DNW/		5,481,553	January 2, 1996	Suzuki
/DNW/		5,559,557	September 24, 1996	Kato et al.
/DNW/		5,579,430	November 26, 1996	Grill et al.

EXAMINER SIGNATURE: /David Werner/	DATE CONSIDERED: 09/05/2007
* Examiner: Initial if reference considered, whether or not in conformance with MPEP 609. Draw line through cite if not in conformance and not considered. Include copy of this form with next communication to applicant.	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT	Attorney Docket Number	3382-67641-01
	Application Number	10/826,971
	Filing Date	April 15, 2004
	First Named Inventor	Liang
	Art Unit	2819
	Examiner Name	not yet assigned

U.S. PATENT DOCUMENTS

Examiner's Initials*	Cite No. (optional)	Number	Publication Date	Name of Applicant or Patentee
/DNW/		5,654,706	August 5, 1997	Jeong et al.
/DNW/		5,661,755	August 26, 1997	Van de Kerkhof
/DNW/		5,717,821	February 10, 1998	Tsutsui
/DNW/		5,825,830	October 20, 1998	Kopf
/DNW/		5,835,144	November 10, 1998	Matsumura
/DNW/		5,982,437	November 9, 1999	Okazaki
/DNW/		5,990,960	November 23, 1999	Murakami
/DNW/		5,995,670	November 30, 1999	Zabinsky
/DNW/		6,002,439	December 14, 1999	Murakami
/DNW/		6,097,759	August 1, 2000	Murakami
/DNW/		6,100,825	August 8, 2000	Sedluk
/DNW/		6,111,914	August 29, 2000	Bist
/DNW/		6,148,109	November 14, 2000	Boon
/DNW/		6,226,407	May 1, 2001	Zabih et al.
/DNW/		6,253,165	June 26, 2001	Malvar
/DNW/		6,292,588	September 18, 2001	Shen
/DNW/		6,341,165	January 22, 2002	Gbur

EXAMINER SIGNATURE: /David Werner/	DATE CONSIDERED: 09/05/2007
---------------------------------------	--------------------------------

* Examiner: Initial if reference considered, whether or not in conformance with MPEP 609. Draw line through cite if not in conformance and not considered. Include copy of this form with next communication to applicant.

INFORMATION DISCLOSURE STATEMENT BY APPLICANT	Attorney Docket Number	3382-67641-01
	Application Number	10/826,971
	Filing Date	April 15, 2004
	First Named Inventor	Liang
	Art Unit	2819
	Examiner Name	not yet assigned

U.S. PATENT DOCUMENTS

Examiner's Initials*	Cite No. (optional)	Number	Publication Date	Name of Applicant or Patentee
/DNW/		6,345,123	February 5, 2002	Boon
/DNW/		6,421,738	July 16, 2002	Ratan et al.
/DNW/		6,573,915	June 3, 2003	Sivan et al.
/DNW/		6,646,578	November 11, 2003	Coquitlam
/DNW/		6,721,700	April 13, 2004	Yin
/DNW/		6,728,317	April 27, 2004	Demos
/DNW/		6,766,293	July 20, 2004	Herre
/DNW/		6,771,777	August 3, 2004	Gbur
/DNW/		20040136457	July 15, 2004	Funnell et al.
/DNW/		20050015249	January 20, 2005	Mehrotra et al.

U.S. PATENT APPLICATION DOCUMENTS

Examiner's Initials*	Cite No. (optional)	Number	Filing Date	Name of Applicant or Patentee
/DNW/		60/341,674	December 17, 2001	Lee et al.
/DNW/		60/488,710	July 18, 2003	Srinivasan et al.

EXAMINER SIGNATURE: /David Werner/

DATE CONSIDERED: 09/05/2007

* Examiner: Initial if reference considered, whether or not in conformance with MPEP 609. Draw line through cite if not in conformance and not considered. Include copy of this form with next communication to applicant.

INFORMATION DISCLOSURE STATEMENT BY APPLICANT	Attorney Docket Number	3382-67641-01
	Application Number	10/826,971
	Filing Date	April 15, 2004
	First Named Inventor	Liang
	Art Unit	2819
	Examiner Name	not yet assigned

FOREIGN PATENT DOCUMENTS


Examiner's Initials*	Cite No. (optional)	Country	Number	Publication Date	Name of Applicant or Patentee
/DNW/		Europe	0540350	May 5, 1993	Yoshinari
/DNW/		Europe	0910927	January 22, 1998	Gbur et al.
/DNW/		Europe	0931386	January 28, 1999	Herre et al.
/DNW/		Europe	0966793	September 24, 1998	Yin
/DNW/		Japan	5-292481	November 5, 1993	Katsunori et al.
/DNW/		Japan	7-274171	October 20, 1995	Akio

OTHER DOCUMENTS

Examiner's Initials*	Cite No. (optional)	
/DNW/		Brandenburg, "ASPEC CODING", <i>AES 10th International Conference</i> , pp. 81-90 (1991).
/DNW/		De Agostino et al., "Parallel Algorithms for Optimal Compression using Dictionaries with the Prefix Property," in <i>Proc. Data Compression Conference '92, IEEE Computer Society Press</i> , pp. 52-62 (1992).
/DNW/		Shamoon et al., "A Rapidly Adaptive Lossless Compression Algorithm for High Fidelity Audio Coding," <i>IEEE Data Compression Conf. 1994</i> , pp. 430-39 (March 1994).
/DNW/		Reader, "History of MPEG Video Compression – Ver. 4.0," 99 pp., document marked December 16, 2003.
/DNW/		Printouts of FTP directories from http://ftp3.itu.ch , 8 pp. (downloaded from the World Wide Web on September 20, 2005.)
/DNW/		Microsoft Corporation, "Microsoft Debuts New Windows Media Player 9 Series, Redefining Digital Media on the PC," 4 pp. (September 4, 2002) [Downloaded from the World Wide Web on July 16, 2004].
/DNW/		Mook, "Next-Gen Windows Media Player Leaks to the Web," <i>BetaNews</i> , 18 pp. (July 2002) [Downloaded from the World Wide Web on March 16, 2004].
/DNW/		Wien et al., "16 Bit Adaptive Block size Transforms," JVT-C107r1, 54 pages.

EXAMINER SIGNATURE: /David Werner/	DATE CONSIDERED: 09/05/2007
------------------------------------	-----------------------------

* Examiner: Initial if reference considered, whether or not in conformance with MPEP 609. Draw line through cite if not in conformance and not considered. Include copy of this form with next communication to applicant.

	Attorney Docket Number	3382-67641-01
	Application Number	10/826,971
	Filing Date	April 15, 2004
	First Named Inventor	Liang
	Art Unit	2819
	Examiner Name	

U.S. PATENT DOCUMENTS

Copies of U.S. Patent documents do not need to be provided, unless requested by the Patent and Trademark Office. For patents, provide the patent number and the issue date. For published U.S. applications, provide the publication number and the publication date. For unpublished pending patent applications, provide the application number and the filing date.

Examiner's Initials*	Cite No. (optional)	Number	Publication Date	Name of Applicant or Patentee
/DNW/		4,792,981	12.20.1988	Cahill et al.
/DNW/		5,493,407	2.20.1996	Takahara
/DNW/		5,533,140	7.2.1996	Sirat et al.
/DNW/		5,974,184	10.26.1999	Eifrig et al.
/DNW/		6,049,630	4.11.2000	Wang et al.
/DNW/		6,054,943	4.25.2000	Lawrence
/DNW/		6,078,691	6.20.2000	Luttmer
/DNW/		6,493,385	12.10.2002	Sekiguchi et al.
/DNW/		6,542,631	4.1.2003	Ishikawa
/DNW/		6,795,584	9.21.2004	Karczewicz et al.

FOREIGN PATENT DOCUMENTS

Examiner's Initials*	Cite No. (optional)	Country	Number	Publication Date	Name of Applicant or Patentee
/DNW/		Europe	EP 1 142 130	4.23.2003	Chen et al.
/DNW/		Europe	EP 1 142 129	6.16.2004	Chen et al.

OTHER DOCUMENTS

Examiner's Initials*	Cite No. (optional)	
/DNW/		Gill et al., "Creating High-Quality Content with Microsoft Windows Media Encoder 7," 4 pp. (2000) [Downloaded from the World Wide Web on May 1, 2002].

EXAMINER SIGNATURE: /David Werner/	DATE CONSIDERED: 09/05/2007
------------------------------------	-----------------------------

* Examiner: Initial if reference considered, whether or not in conformance with MPEP 609. Draw line through cite if not in conformance and not considered. Include copy of this form with next communication to applicant.

INFORMATION DISCLOSURE STATEMENT BY APPLICANT	Attorney Docket Number	3382-67641-01
	Application Number	10/826,971
	Filing Date	April 15, 2004
	First Named Inventor	Liang
	Art Unit	2819
	Examiner Name	

Examiner's Initials*	Cite No. (optional)	OTHER DOCUMENTS
/DNW/		Ishii et al., "Parallel Variable Length Decoding with Inverse Quantization for Software MPEG-2 Decoders," IEEE Signal Processing Systems, pp. 500-509 (1997).
/DNW/		Jeong et al., "Adaptive Huffman Coding of 2-D DCT Coefficients for Image Sequence Compression," <i>Signal Processing: Image Communication</i> , Vol. 7, 11 pp. (1995).
/DNW/		Joint Video Team (JVT) of ISO/IEC MPEG & ITU-T VCEG, "Joint Final Committee Draft (JFCD) of Joint Video Specification," JVT-D157, 207 pp. (August 2002).
/DNW/		Sullivan et al., "The H.264/AVC Advanced Video Coding Standard: Overview and Introduction to the Fidelity Range Extensions," 21 pp. (August 2004).
/DNW/		Tu et al., "Context-Based Entropy Coding of Block Transform Coefficients for Image Compression," <i>IEEE Transactions on Image Processing</i> , Vol. 11, No. 11, pp. 1271-1283 (November 2002).

EXAMINER SIGNATURE: /David Werner/	DATE CONSIDERED: 09/05/2007
<p>* Examiner: Initial if reference considered, whether or not in conformance with MPEP 609. Draw line through cite if not in conformance and not considered. Include copy of this form with next communication to applicant.</p>	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

Attorney Docket Number	3382-67641-01
Application Number	10/826,971
Filing Date	April 15, 2004
First Named Inventor	Liang
Art Unit	2819
Examiner Name	not yet assigned

U.S. PATENT DOCUMENTS

Copies of U.S. Patent documents do not need to be provided, unless requested by the Patent and Trademark Office. For patents, provide the patent number and the issue date. For published U.S. applications, provide the publication number and the publication date. For unpublished pending patent applications, provide the application number and the filing date.

Examiner's Initials*	Cite No. (optional)	Number	Publication Date	Name of Applicant or Patentee
/DNW/		2004/0044534	Mar. 4, 2004	Chen et al.
/DNW/		5,574,449	Nov. 12, 1996	Golin
/DNW/		6,678,419	Jan. 13, 2004	Malvar

FOREIGN PATENT DOCUMENTS

Examiner's Initials*	Cite No. (optional)	Country	Number	Publication Date	Name of Applicant or Patentee
/DNW/		Japan	JP 6-217110	Aug. 5, 1994	Nose et al.
/DNW/		PCT	WO 98/00924	Jan. 8, 1998	Philips

OTHER DOCUMENTS

Examiner's Initials*	Cite No. (optional)	
/DNW/		Wien, "Variable Block-Size Transforms for Hybrid Video Coding," Dissertation, 182 pp. (February 2004).

EXAMINER
SIGNATURE: /David Werner/

DATE
CONSIDERED: 09/05/2007

* Examiner: Initial if reference considered, whether or not in conformance with MPEP 609. Draw line through cite if not in conformance and not considered. Include copy of this form with next communication to applicant.